

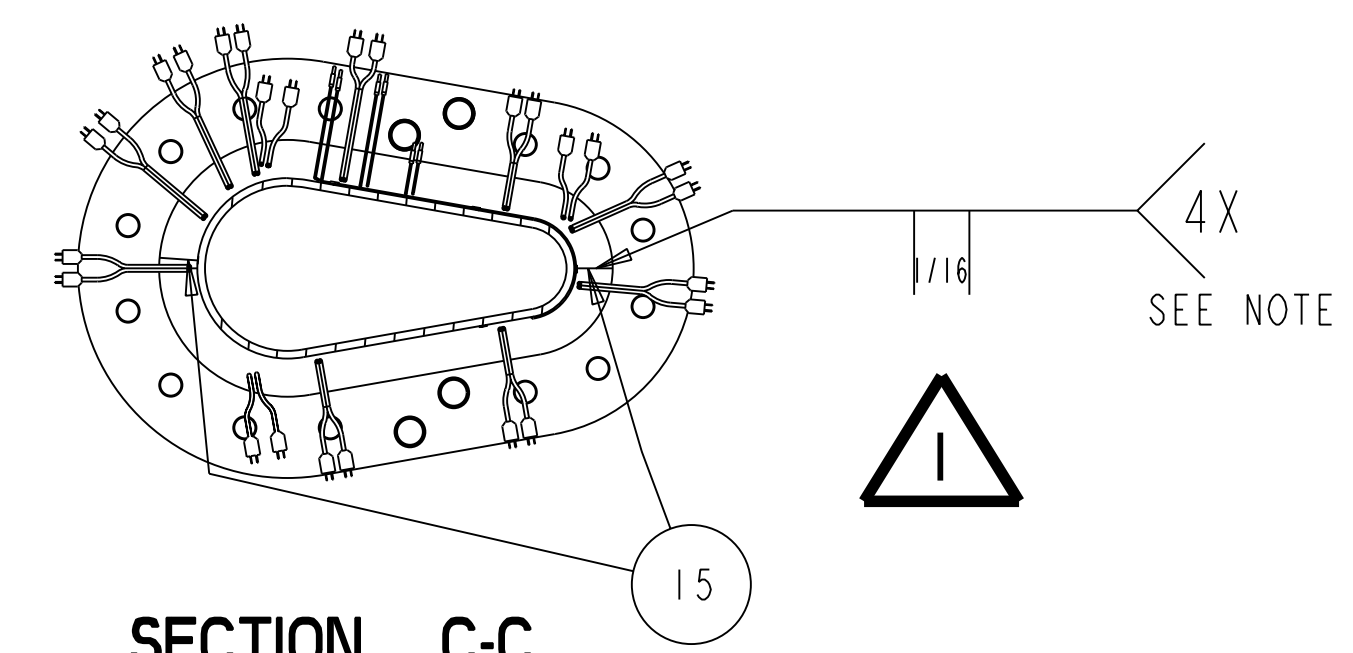
THERMOCOUPLE ID	BLOCK ID	X	Y	Z
ORIGIN				
TC-01,02	BK-01	41.108	-61.692	-2.463
TC-03,04	BK-02	66.968	-39.666	1.713
TC-05,06	BK-03	86.851	-19.111	-1.240
TC-07,08	BK-04	88.011	0.000	19.635
TC-09,10	BK-05	86.851	19.111	1.240
TC-11,12	BK-06	88.011	-0.000	-19.635
TC-13,14	BK-07	66.968	39.666	-1.713
TC-15,16	BK-08	41.108	61.692	2.463
TC-17,18	BK-09	26.367	25.500	-0.137
TC-19,20	BK-10	55.351	0.662	-0.821
TC-21,22	BK-11	26.367	-25.500	0.137
TC-23,24	BK-12	38.689	-0.394	33.260
TC-25,26	BK-13	38.689	0.394	-33.260
TC-27,28	BK-14	60.764	5.321	37.662
TC-29,30	BK-15	50.299	3.476	39.370
TC-31,32	BK-16	49.546	3.343	73.549
TC-33,34	BK-17	63.278	5.764	74.756
TC-35,36	BK-18	50.563	-3.522	39.931
TC-37,38	BK-19	62.490	-5.625	39.077
TC-39,40	BK-20	49.411	-3.319	72.808
TC-41,42	BK-21	63.564	-5.760	71.912
TC-43,44	BK-22	50.299	-3.476	-39.370
TC-45,46	BK-23	49.546	-3.343	-73.549
TC-47,48	BK-24	60.764	-5.321	-37.662
TC-49,50	BK-25	63.278	-5.764	-74.756
TC-51,52	BK-26	62.490	5.625	-39.077
TC-53,54	BK-27	50.563	3.522	-39.931
TC-55,56	BK-28	63.564	5.815	-71.912
TC-57,58	BK-29	49.411	3.319	-72.808

-1,2,3 VVSA ASSEMBLY STATION 1 PHASE 1

SCALE 0.80

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting:

WELDING ENGINEER
APPROVED L. DUDEK DATE: 10/15/2006



QTY	UNIT	DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
15		316SS SPlice PLATE .5 X 2.5 X .25 THK	316SS		15
14		HT FLEXSEAL 350	HIGH TEMPERATURE RTV SILICONE	PETERBOROUGH PEI 58J, UNITED KINGDOM WWW.FORTAFIX.COM	14
13		1/2" HEAT TAPE RETENTION FOIL	36 GA. (.005") INCONEL 625 OR 316 SST	ASTM B443 OR ASTM A240	13
12		HEAT TAPE .50" WIDE X .125" THK X 120" LONG NON-MAGNETIC (NCSX-PRL-002)	PPY491001	BRISK HEAT (BH THERMAL CORP) COLUMBUS, OH 43201 (800)-848-7673 WWW.BRISKHEAT.COM	12
11		PAN HEAD SCREW #6-32 UNC X .38 LG 316 SST	91735A146		11
10		HEX HEAD SCREW 5/16-18 UNC X .50 LG 316 SST	93190A578	McMASTER-CARR ATLANTA GA 30336-2852 (404) 346-7000 WWW.MCMMASTER.COM	10
9		FLAT WASHER .688 OD X .344 ID X .064 THK 316 STAINLESS STL	91950A030		9
8		THERMOCOUPLE - 36" LEADS ISOLATED (TC-01 THRU 26)	NCSX-PRL-003	OMEGA ENGINEERING, INC. STAMFORD, CONNECTICUT 06907 (800)-848-4286 WWW.OMEGA.COM	8
7		THERMOCOUPLE - 120" LEADS ISOLATED (TC-27 THRU 58)	NCSX-PRL-003	OMEGA ENGINEERING, INC. STAMFORD, CONNECTICUT 06907 (800)-848-4286 WWW.OMEGA.COM	7
6		MOUNT FLANGE	SE123-167		6
5		CRYOSTAT INTERFACE FLG WELDMENT	SE123-164		5
4		THERMOCOUPLE MOUNTING PLATE (BK-01 THRU 29)	SE123-155		4
3		FLUX LOOP GEOMETRY-VVSA 3	SE310-030-3		3
3		FLUX LOOP GEOMETRY-VVSA 2	SE310-030-2		3
3		FLUX LOOP GEOMETRY-VVSA 1	SE310-030-1		3
2		VACUUM VESSEL SUB ASSEMBLY	SE120-002		2
1		VVSA ASSEMBLY STATION 1, PHASE I - VVSA 3	-3		1
1		VVSA ASSEMBLY STATION 1, PHASE I - VVSA 2	-2		1
1		VVSA ASSEMBLY STATION 1, PHASE I - VVSA 1	-1		1

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISED PER ECNH 5198	MM	10/15/06	LD								
0	ORIGINAL ISSUE	MTB	10/06									

SCALE	NOTED	DES	DATE	DRW	DATE	CHK	DATE	SECT	DEPT	PE	CR	PJ	RD	FINISH	PPPL	DRFT	DATE	VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
		P GORANSON	10/06	MT BROWN	10/06	M COLE	10/06								PPPL	DRFT	J. SIEGEL	10/06	2	5700	3	1	1	A	U

UT-BATTELLE
NATIONAL COMPACT STELLARATOR EXPERIMENT
VVSA ASSEMBLY STATION 1, PHASE I
SE121-004